

Examiner-Initiated Interview Summary

Application No.

10/520,163

Applicant(s)

VOLKE ET AL.

Examiner

Tiffany A. Fetzner

Art Unit

2859

All Participants:(1) Tiffany A. Fetzner.(2) Attorney Mary J. Breiner Reg. No. 33,161.**Status of Application:** Amended

(3) _____

(4) _____

Date of Interview: 11 April 2007**Time:** 12:45pm**Type of Interview:**☒ Telephonic☐ Video Conference☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)Exhibit Shown or Demonstrated: ☐ Yes ☒ No

If Yes, provide a brief description:

Part I.

Rejection(s) discussed:

None

Claims discussed:

All pending claims 15-27

Prior art documents discussed:

MsKenna US pat. 4,859,949 with respect to the January 8th 2007 amendment and response, and the structural differences between applicant's amended claim 15, and the lower opening NMR probe of the McKenna reference.

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:

See Continuation Sheet

Part III.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.

☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

(Examiner/SPE Signature)

(Applicant/Applicant's Representative Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed: The examiner contacted applicant's representative in order to clarify the differences between applicant's January 8th 2007 amendment and response and the previously cited McKenna patent 4,859,949 since the McKenna reference shows a lower opening NMR probe assembly in accordance with applicant's 1/8/2007 amendment. In the course of the telephonic discussion it was discovered that the originally filed figures had some unclear dashed lines and poorly placed reference lines / reference numbers which were causing confusion in understanding the operation of applicant's invention. Additionally because the orientation of the figures changes it became clear that additional reference numbers, enabling a consistent correspondence between the figures 1 through 3 were needed.

The addition of the extra reference numbers is free of new matter, because each of the reference numbers is already taught and shown in the specification. The additional reference numbers, and corrected reference lines are part of an approved examiner's amendment to the drawings in order to enable the clear structural features of applicant's NMR probe, to be shown and understood from figure to figure. Additionally clarifications that component 12 represents consistently a feed line tube, while component 10 represents a sample container, will be corrected in applicant's specification in order to ensure a consistent antecedent basis throughout.

With respect to claims 15-17, 23, 25, 27, and 28 these claims will be amended by the examiner in an attorney approved examiner's amendment in order to clarify that as shown in applicant's originally filed figures 1, 2, and 3 and as explained in the originally filed specification, that the applicant's invention comprises an NMR probe head configured for measurements in a magnetic system, the magnetic system comprising a bore extending parallel with a base magnetic field configured for receiving the applicant's NMR probe head. The applicant's NMR probe head comprising a probe head body, a solenoid coil within the NMR probe head body, and a support. The applicant's NMR probe head is inserted into, and removed from, an NMR Magnetic system, by a lower opening in the magnetic system bore which is oriented parallel to the base magnetic field of the system, while NMR samples in sample containers enter into the NMR probe head body, containing within itself a solenoid coil having a coil axis that is oriented perpendicular to the base magnetic field of the NMR magnetic system, through a feed line tube that directly passes through (i.e. enters and then exits) the perpendicularly oriented solenoid coil (i.e. with respect to the base magnetic field) of the NMR probe head body.

Additionally, the dependent claims 16, 17, 23, 25, 27 and 28 will be amended by the examiner to correct formal matters, concerning dependency and proper antecedent basis.